

HIGH PRESSURE PARALLEL REACTOR WITH INDIVIDUALLY ISOLATABLE VESSELS

ABSTRACT OF THE DISCLOSURE

5 An apparatus and method for synthesis and screening of materials are disclosed. According to one aspect of the present invention, a parallel batch reactor for effecting chemical reactions includes a pressure chamber, and a plurality of reaction wells. Each of the reaction wells is in isolatable fluid communication with the pressure chamber such that during a first pressurizing stage of operation, each of the reaction
10 wells can be simultaneously pressurized through common fluid communication with the pressure chamber, and such that during a second reaction stage of operation, each of the reaction wells can be fluidically isolated from at least one other of said plurality of reaction wells.

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